



A Guide to the Deposit of Cultures for Patent Purposes at ECACC

ECACC accepts the following as Patent deposits under the Budapest Treaty 1977 and the World Intellectual Property Organisation, Geneva.

- Animal cell lines (including cells of human origin and hybridomas).
- Viruses (up to ACDP category 3 organisms).
- Bacteria.
- DNA (of eukaryotic and prokaryotic origin).

This guide provides you with details of the procedures for making a patent deposit and how to send your deposit to ECACC. ECACC is also able to accept pathogenic yeast, fungi and protozoa as patent deposits. Please enquire for further details.

General Conditions of Acceptance for all Patent Deposits

1. Please complete the appropriate patent deposit Accession Form (link at the bottom of the page) and the Biohazard Risk Assessment in full for each deposit, and send both forms to ECACC prior to shipment of sample.
2. Once the forms have been received, reviewed and accepted by ECACC, you will be issued with a reference number that will need to be quoted in all future correspondence (and on your samples). A purchase order number will need to be faxed to ECACC as soon as possible. **It is only then can ECACC accept your sample.**
3. 12 ampoules are required for deposit. It is essential for quality control purposes that all ampoules are prepared at the same time and are labelled clearly.
4. It is important to ensure that when you deposit any cell lines, the name of the cell line is written in full on the vial. If you have already labelled the vial, then make sure the full detail is written in the section labelled 'Full cell line name'.
5. The depositor agrees to provide a statement regarding the potential hazards represented by the culture (Biohazard Risk Assessment).
6. On receipt of the deposit at ECACC, a provisional Accession Number is allocated and given to the Depositor. This number remains provisional until the successful completion of quality control procedures.
- * 7. The content of at least one ampoule will be examined according to quality control criteria listed below. Cultures must be replaced if consistent low viability or contamination is identified.
8. If any problems arise, the Depositor will be informed immediately, and a further course of action discussed and agreed with the Depositor.
9. Following successful completion of quality control procedures, ECACC will confirm the Accession Number, and issue a receipt, Certificate of Viability and Certificate of Deposition.
10. The depositor agrees to pay the statutory fee - an invoice will be sent after deposition formalities are complete.
- * 11. On acceptance, ECACC agree to hold the deposit under the terms and conditions of the Budapest Treaty, 1977.
12. Deposits are held on condition that they can be preserved without significant change or loss of properties during long term storage.
13. Depositors are requested to supply a sufficient quantity of any special growth factors which may be required during quality control procedures for any deposit.
14. ECACC reserves the right to refuse deposits which represent unacceptable hazards or unacceptable technical difficulties.

Individual Requirements for Each Category of Organism being Deposited for Patent Purposes

Animal Cells (Including Immunoclonal/Hybridomas)

1. Each ampoule must contain at least 4×10^6 cells/ampoule with good viability on resuscitation and be free of microbial contaminants (mycoplasma, bacteria and fungi).
2. Quality control procedures include assessment of cell viability and numbers and examination for the presence or absence of microscopic bacteria and fungi.
3. The quality control procedures usually take 5 to 7 weeks to complete.

Viruses

1. Viruses up to and including ACDP Hazard Group 3 pathogens may be accepted by ECACC as deposits.
2. The virus deposit must be capable of being assayed *in vitro*.
3. Virus concentrations are obviously dependent on the strain, but ECACC advises that the best possible stocks be provided as deposits. ECACC may reject virus stocks deposited as patent deposits if the virus titre is considered unacceptably low. The virus stocks must be free of microbial contaminants (mycoplasma, bacteria, fungi).

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BIOHAZARDOUS AGENTS

Should you wish to send cells or organisms which fall within the ACDP3 definition of pathogens, additional requirements must be met for shipment.

1. FROZEN MATERIAL

Labelled frozen material must be placed in a sealed primary container. Use a separate container for each cell or organism type. Absorbent material sufficient to hold the full volume of liquid must be placed around the container(s). These should be placed in a screw capped metal container with waterproof tape which has a 'Biohazard' (symbol), 'Aetiological Agents/Biomedical Material'.

The metal container must then be fixed inside a polystyrene shipping container so that it will not move after dry-ice is added. The shipping container must be labelled as in paragraph 7 above plus the additional labels:-

- a. Biohazard sign
- b. Description of the agent and volume
- c. Infectious substances affecting humans (if applicable)





2. NON-FROZEN MATERIAL

Labelled non-frozen material must be sealed in a plastic bag with enough absorbent material to hold the full volume of culture media. This should then be placed in a screw capped metal container and sealed with waterproof tape. The container should be surrounded by shock absorbing material and placed in a rigid shipping container. This must be labelled with:-

- a. Biohazard sign.
- b. Description of the agent and volume.
- c. Infectious substances affecting humans (if applicable)..
- d. Perishable Biologicals for Medical Research.
- e. Depositors name, address and contact number.

3. Please note that deposits into the EC which are, or contain, animal pathogens require an import licence. Please allow 8 weeks for this process, and submit information requested by ECACC for licence applications as quickly as possible.

**Related Information**

-  **Patent Deposit Accession Form - Cell Culture / Hybridoma**
-  **Patent Deposit Accession Form - Virus**
-  **Patent Deposit Accession Form - Recombinant DNA**
-  **Patent Deposit Accession Form - Bacteria**